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antibody and ELISA experts

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Anti-N-Cadherin-2 CDH2 CD325-Rabbit Monoclonal Antibody

Catalog Number: M01577-1

About CDH2

Furin is likely to represent the ubiquitous endoprotease activity within constitutive secretory pathways and capable of cleavage at the RX (K/R) R consensus motif.

Overview

Product Name	Anti-N-Cadherin-2 CDH2 CD325-Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-N-Cadherin-2 CDH2 CD325-Rabbit Monoclonal Antibody catalog # M01577-1. Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.
Application	IHC, WB
Clonality	Monoclonal FI-3
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P19022

Technical Details

Immunogen	A synthesized peptide derived from human N Cadherin
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB 1:500-1:2000

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	IHC 1:50-1:200

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Anti-N-Cadherin-2 CDH2 CD325-Rabbit Monoclonal Antibody (M01577-1) Images

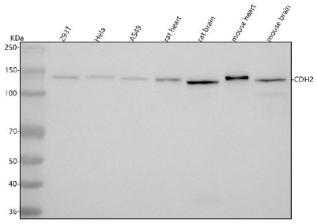
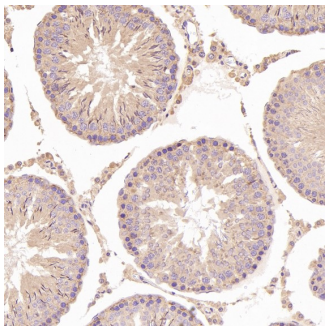
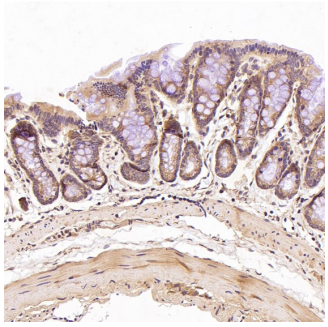


Figure 1. Western blot analysis of CDH2 using anti-CDH2 antibody (M01577-1).
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human 293T whole cell lysates,
Lane 2: human Hela whole cell lysates,
Lane 3: human A549 whole cell lysates,
Lane 4: rat heart tissue lysates,
Lane 5: rat brain tissue lysates,
Lane 6: mouse heart tissue lysates,
Lane 7: mouse brain tissue lysates.
After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CDH2 antigen affinity purified polyclonal antibody (Catalog # M01577-1) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for CDH2 at approximately 140 kDa. The expected band size for CDH2 is at 100 kDa.



Immunohistochemical analysis of paraffin-embedded Rat testis, using the Antibody at 1:100 dilution.



Immunohistochemical analysis of paraffin-embedded Rat stomach, using the Antibody at 1:100 dilution.

Immunohistochemical analysis of paraffin-embedded Human colon cancer, using the Antibody at 1:100 dilution.

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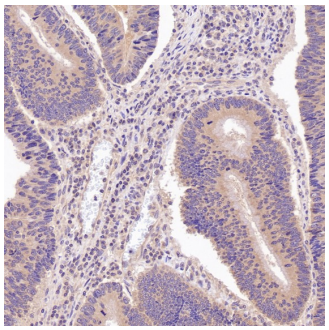
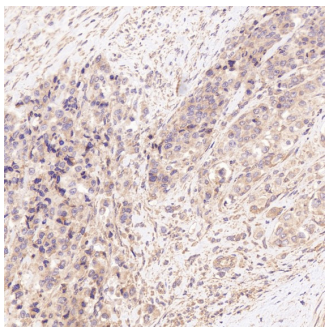
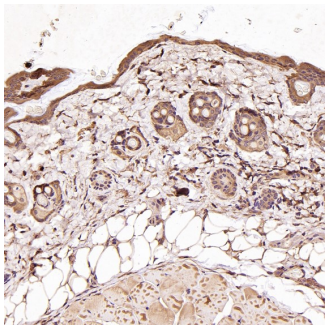
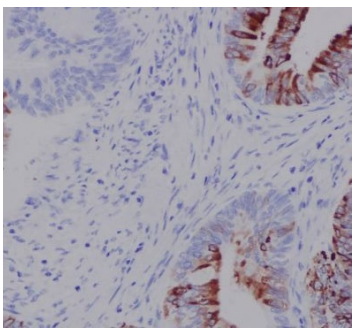




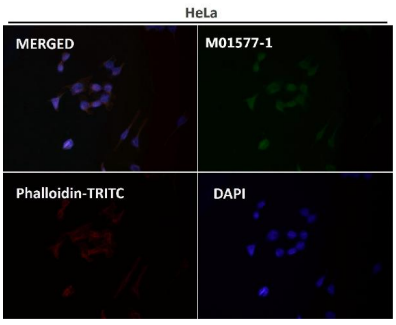
Immunohistochemical analysis of paraffin-embedded Human prostate cancer, using the Antibody at 1:100 dilution.



Immunohistochemical analysis of paraffin-embedded Mouse skin, using the Antibody at 1:100 dilution.



Immunohistochemical analysis of paraffin-embedded human colon, using N Cadherin Antibody.



Immunofluorescent analysis using the Antibody at 1:50 dilution.

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12 Publications Citing This Product

1. PubMed ID: 32519176, Piao HY,Guo S,Wang Y,Zhang J.Exosome-transmitted lncRNA PCGEM1 promotes invasive and metastasis in gastric cancer by maintaining the stability of SNAI1.Clin Transl Oncol.2020 Jun 9.doi:10.1007/s12094-020-02412-9.Epub ahead of print.PMID:32519176.

2. PubMed ID: 32319604, Jia X, Wang H,Li Z,Yan J,Guo Y,Zhao W,Gao L,Wang B,Jia Y.HER4 promotes the progression of colorectal cancer by promoting epithelial□mesenchymal transition.Mol Med Rep.2020 Apr;21(4):1779-1788.doi:10. 3892/mmr.2020.10974.Epub 2020 Feb 4.PMID:32319604;PMCID

3. PubMed ID: 27599468, Ionizing radiation promotes migration and invasion of cancer cells through transforming growth factor-beta%u2013mediated epithelial%u2013mesenchymal transition

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